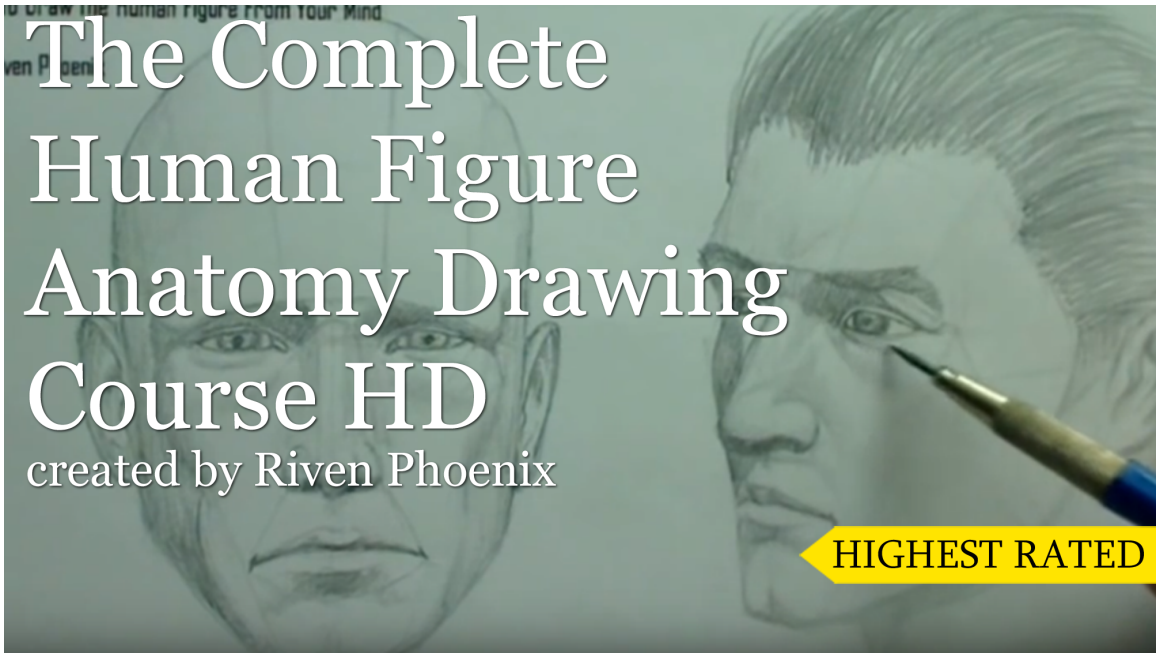

The Structure of Man

Learn to Draw the Human Figure From Your Mind with Riven Phoenix

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Figure Drawing Lesson 056 - Formulas of Front & Back View of the invention of Foot

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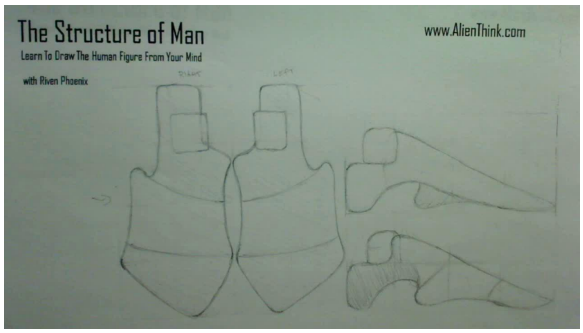
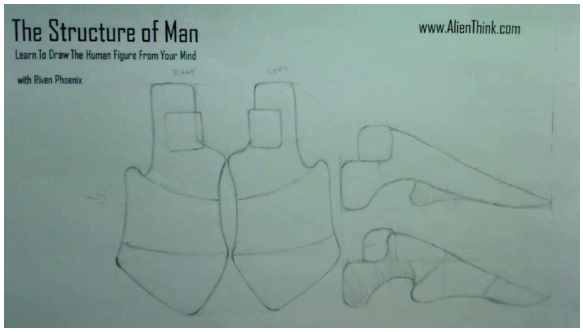
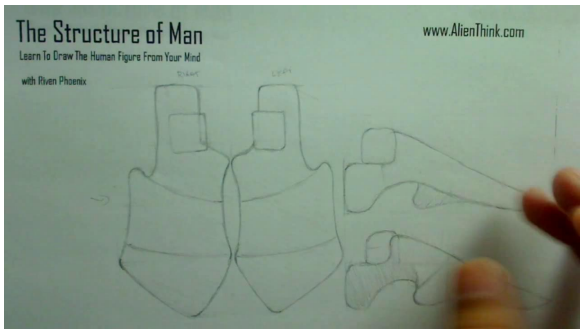
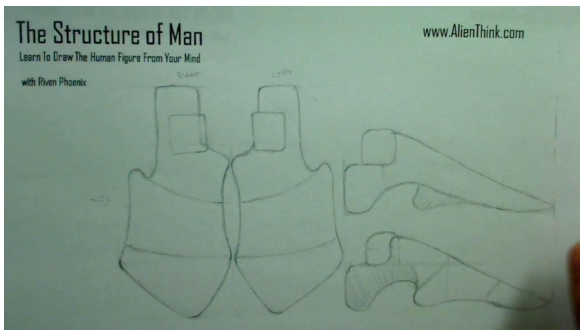
1		Hey guys, my name is Riven Phoenix and welcome to the structure of man learn to draw the human figure from your mind training course.
2		Okay, so now we also looked at in the previous lesson the outer structure of the foot, right?
3		So we need to understand just the design of the bone in its form and you'll see why that is later on what's
4		going to be getting to the muscles us to when we get into the muscle we'll actually start looking at the whole bone structure, right?

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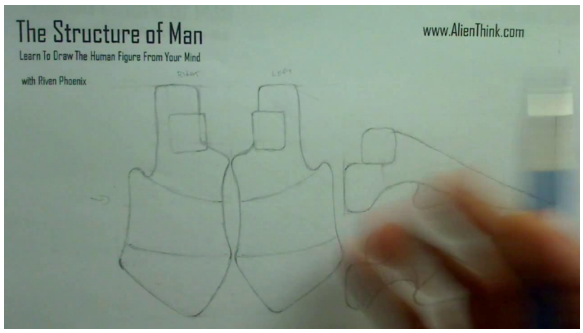
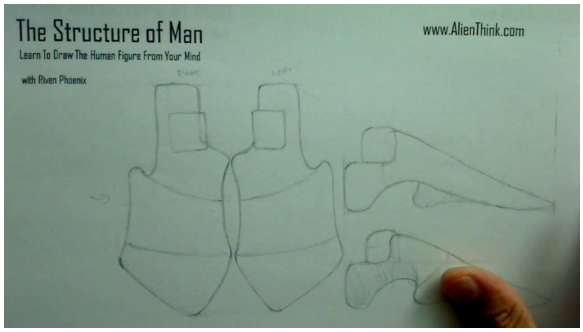
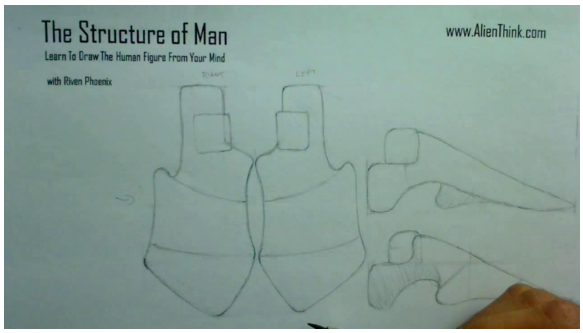
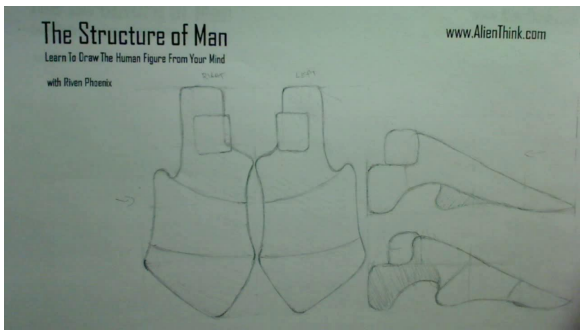
5		So once we got this far in understanding this, now we're going to take a look at, okay?
6		So how do we understand this from the front view, right?
7		If we're looking at directly at it, if it was standing like this way, we want to now look at it.
8		This way and we also want to look at it from the back.

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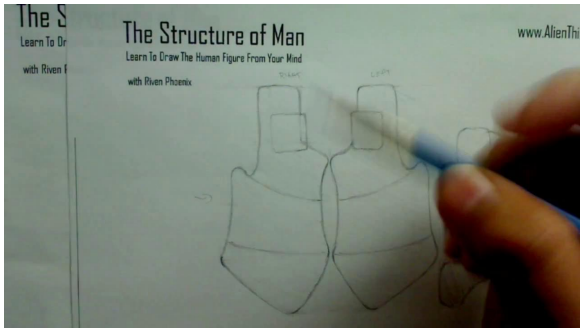
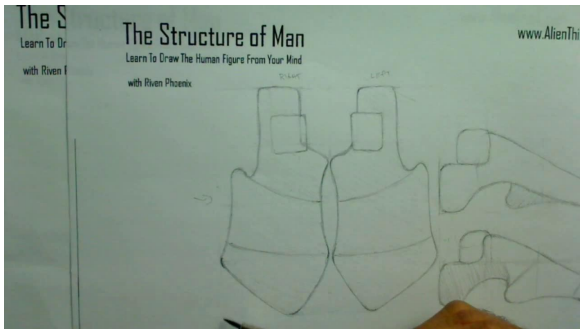
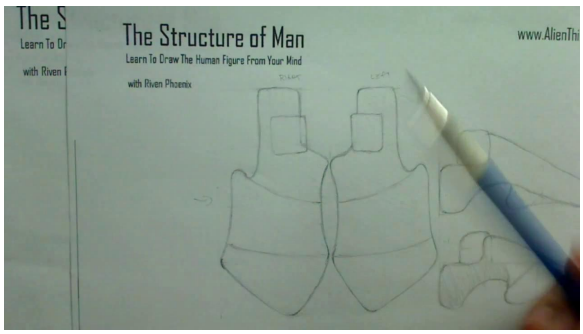
9		So here we can actually draw this out right over here.
10		Okay, so for this it's going to be very easy.
11		We already know what the width is going to be, right?
12		The width is really just going to be this.

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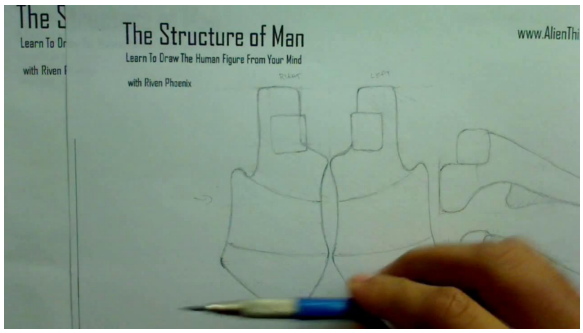
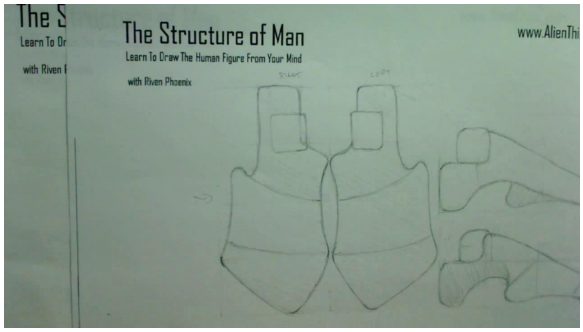
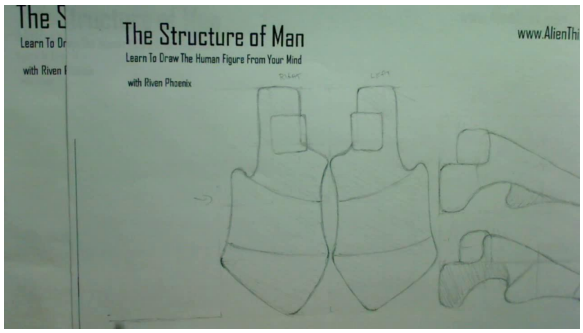
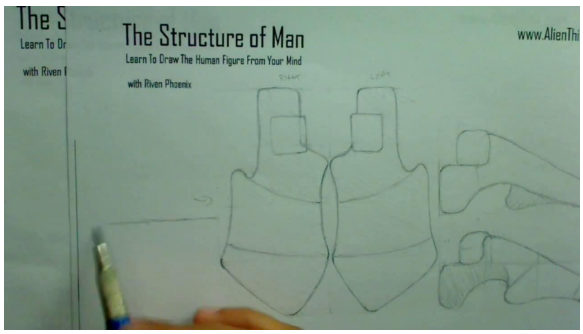
13		So here we can just translate that width over here, right?
14		It's just going to come over here this way.
15		So we're going to do the width and we already know what the height is going to be, which is really just going to be here.
16		Now I'm just going to draw out this box over here.

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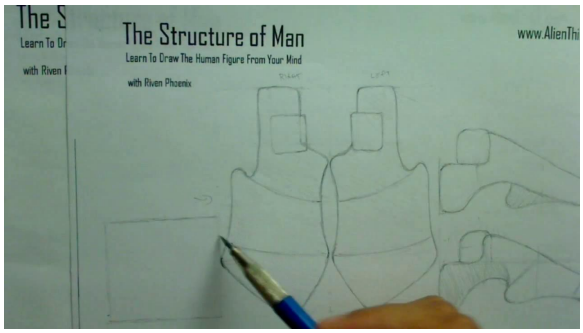
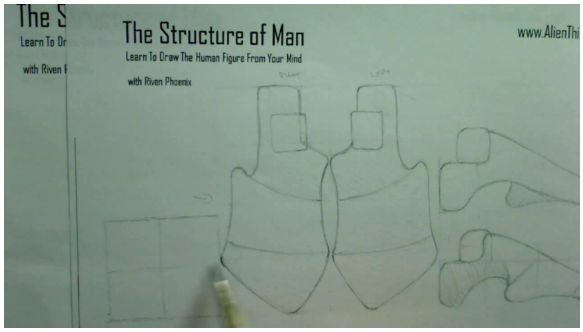
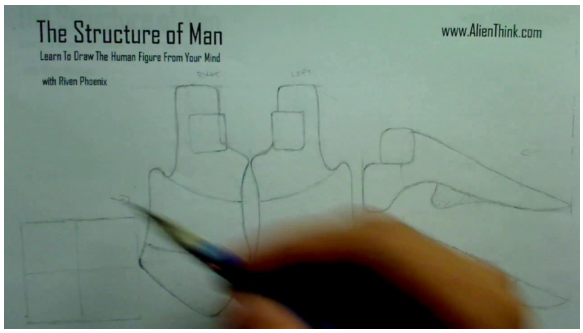
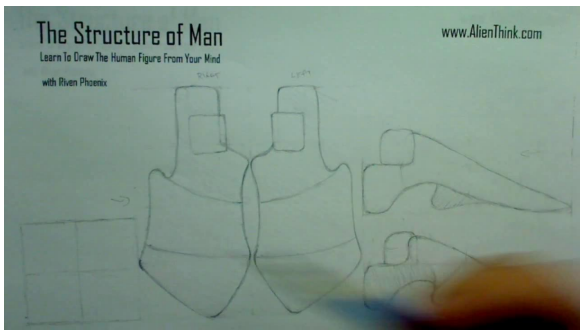
17		Okay, so here we're just going to draw a center line over here and we'll draw this line over here.
18		Okay, so really what we're doing is really just now looking at this part over here, right?
19		So let's look at it from the front, right?
20		So if we conceptually look at this, right?

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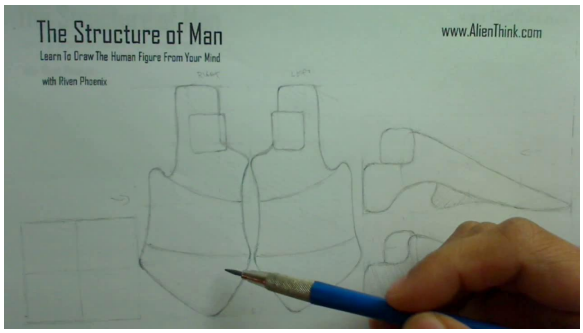
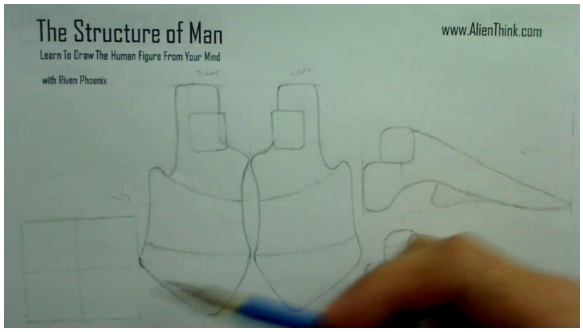
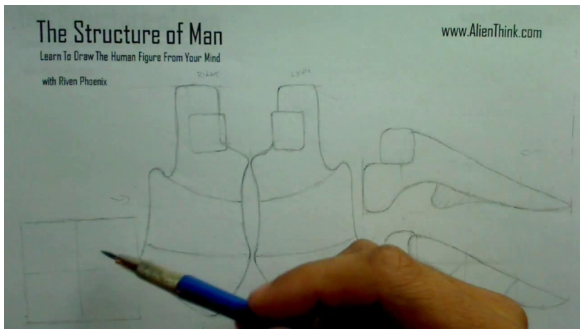
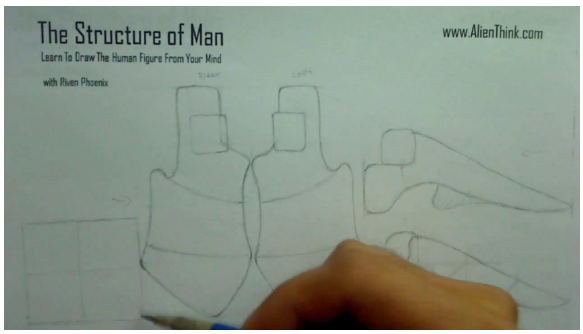
21		So what we want to do is look at it from this point here, right?
22		The outer.
23		What exactly is supposed to be happening over here?
24		So in this idea, I'm going to make this a little more here.

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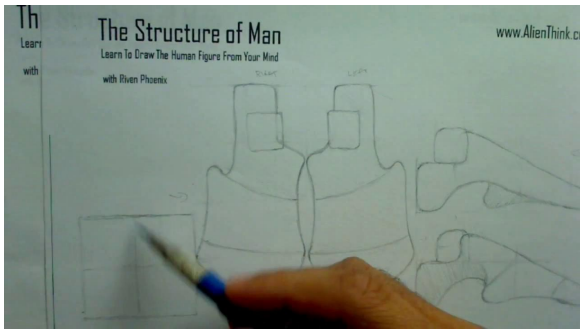
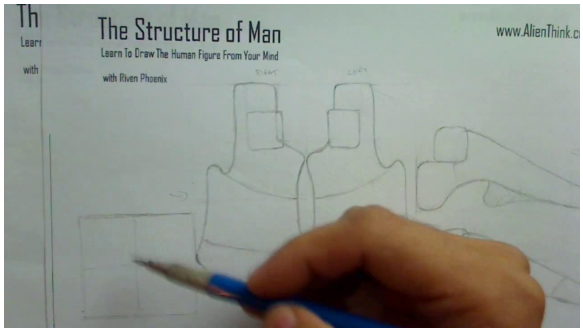
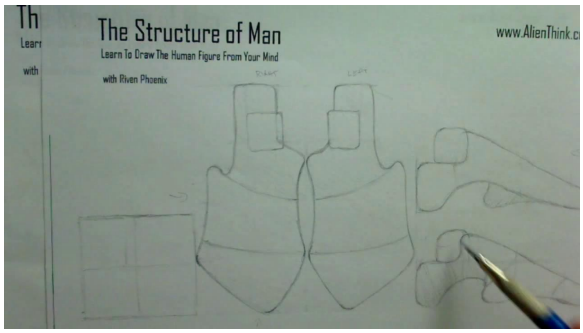
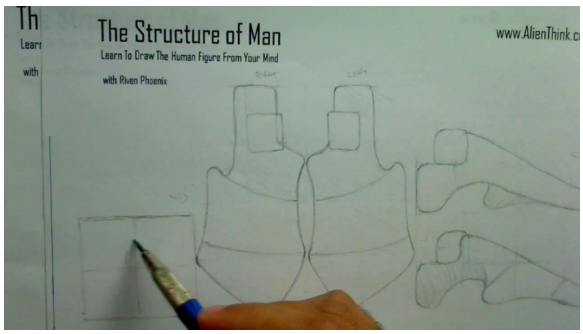
25		So if you take a look at this, we already know where the center line is over here, right?
26		So we know that it's going to be about here.
27		We also know about this that it was just down.
28		So we know that this guy here really is going to be over here, right?

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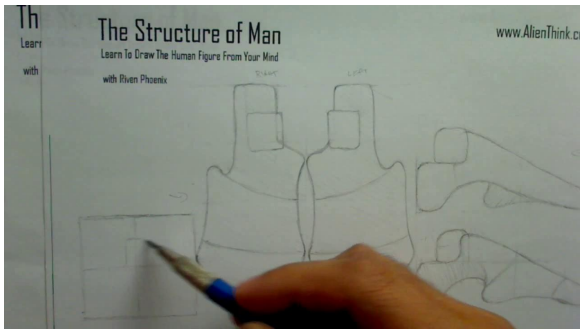
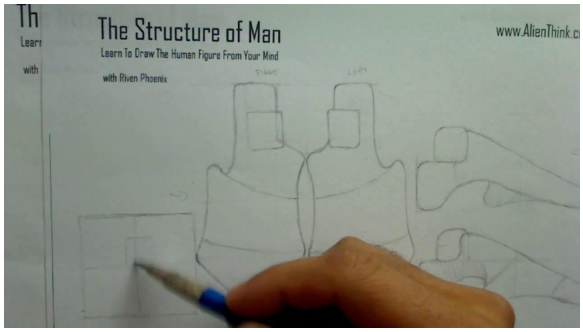
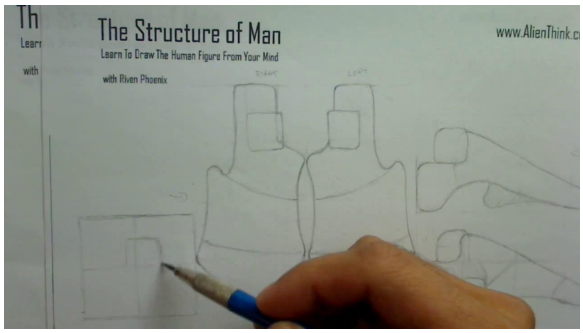
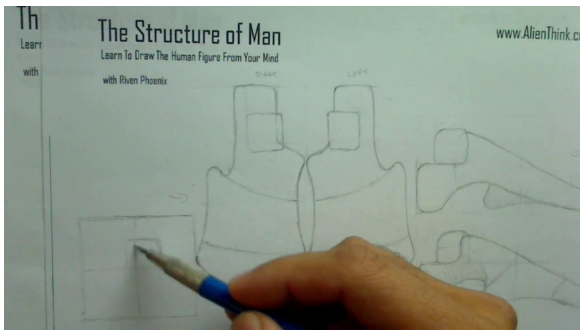
29		So this guy here, where we have made this, right?
30		He's going to be just sitting over here about here.
31		We're talking about this ball joint over here, right?
32		So it's going to be roughly just like this.

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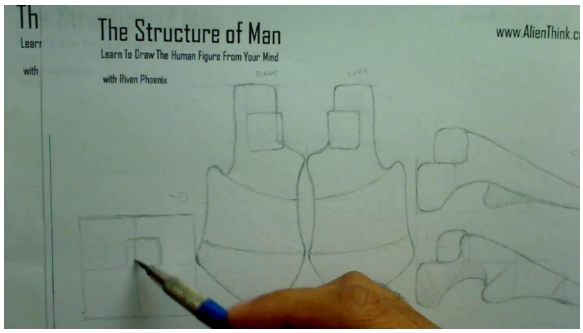
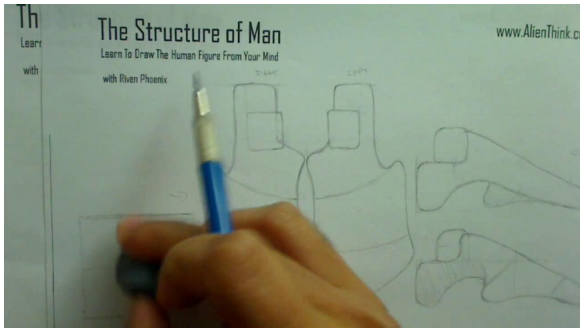
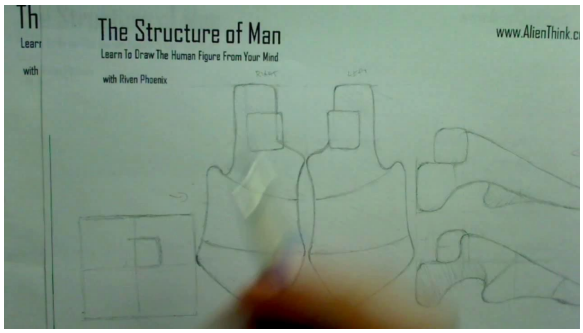
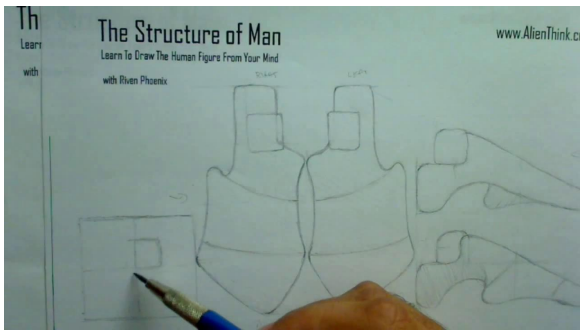
33		So we're going to have to rub this in a little bit.
34		Okay.
35		So once we have this in place, we're now going to take a look at, okay, we'll look at where this is.
36		So it's really coming down this way.

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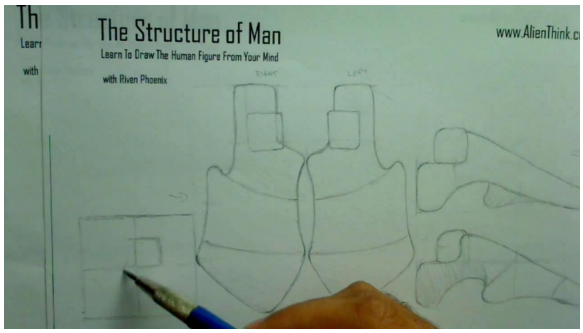
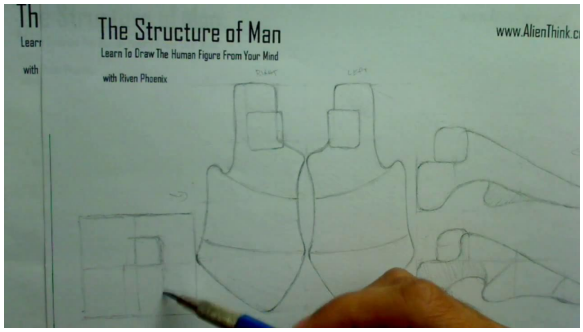
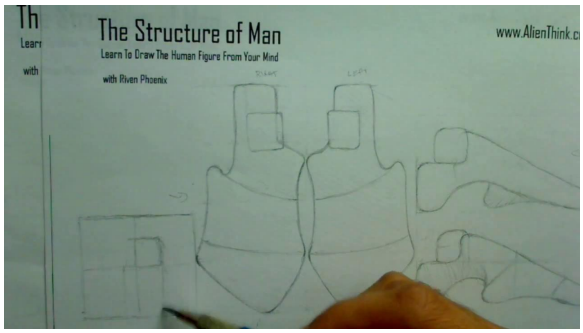
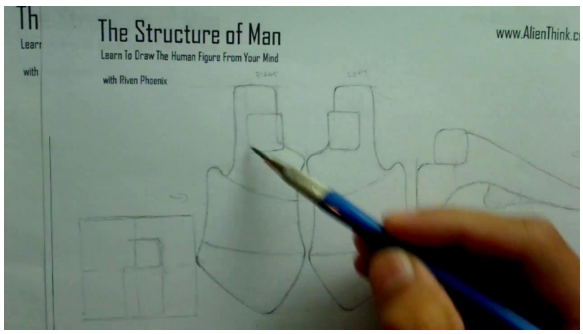
37		And we know that over here, we also had truncated this over here just about here, right?
38		Halfway right here.
39		So we know that the heel is obviously going to be this way, right?
40		We're talking about this area here, this area, how to put this together.

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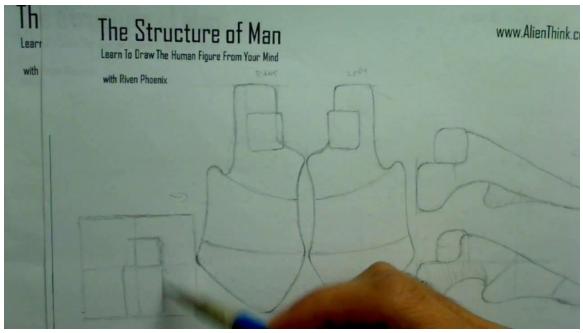
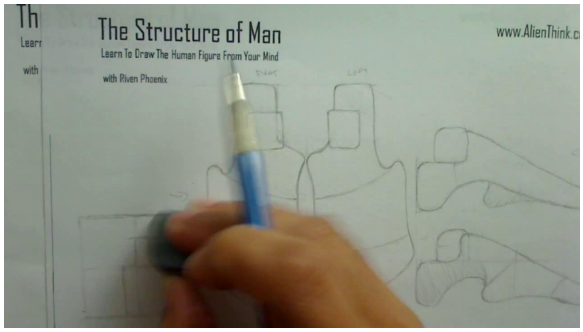
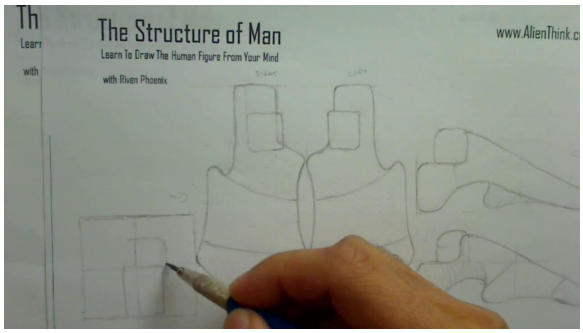
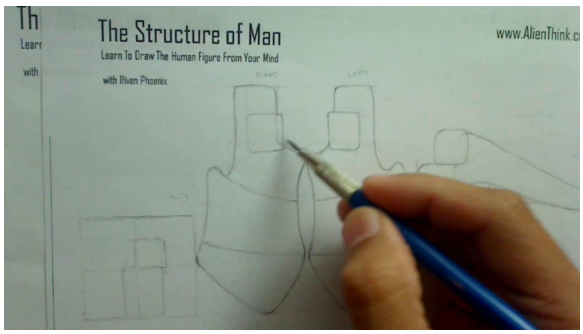
41		This is where we're now forming some ideas in 3D.
42		So here we'll actually increase this just a little bit more like this.
43		So it makes a little more sense, right?
44		Because it's over here and over here.

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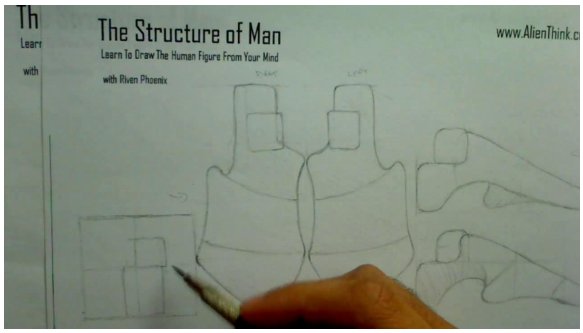
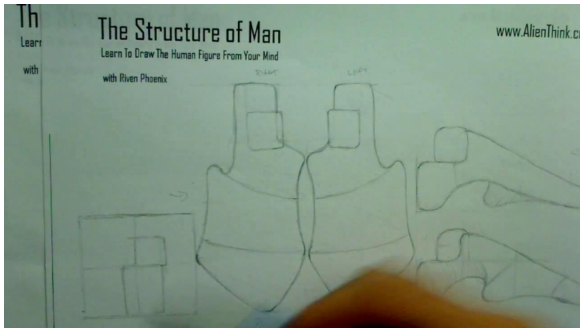
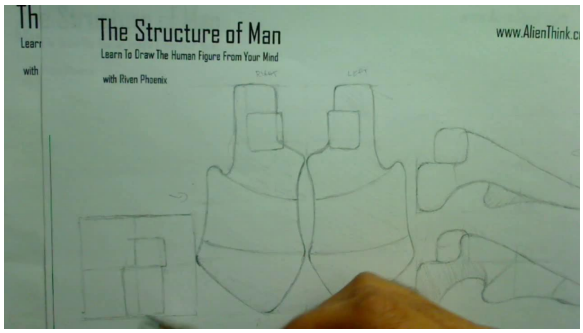
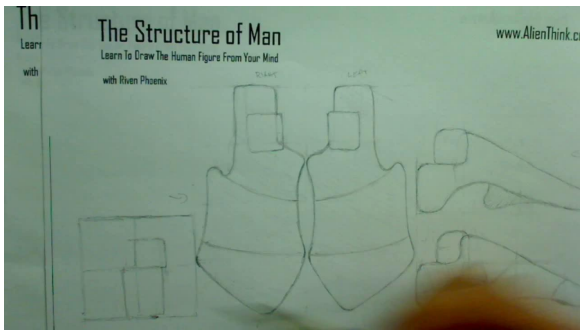
45		Okay. So once we get this, we know that over here, where we have the center line, right?
46		This is the center.
47		And we know that this is going to be the half and over here, we know that the line for the toe,
48		the front of this is going to be here.

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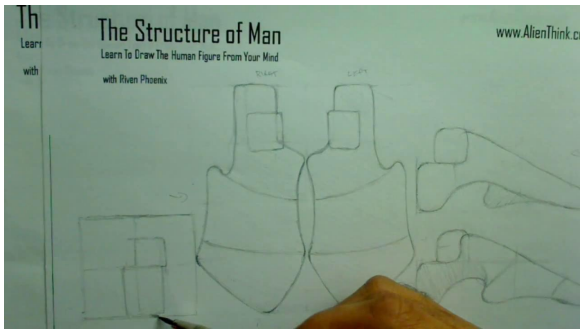
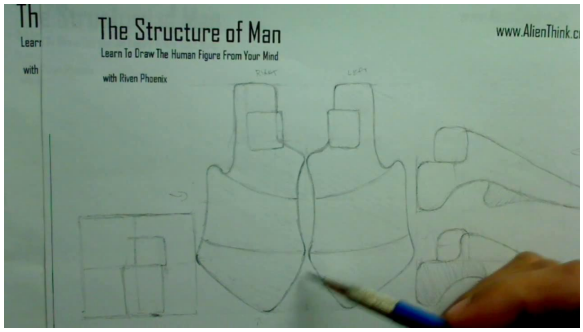
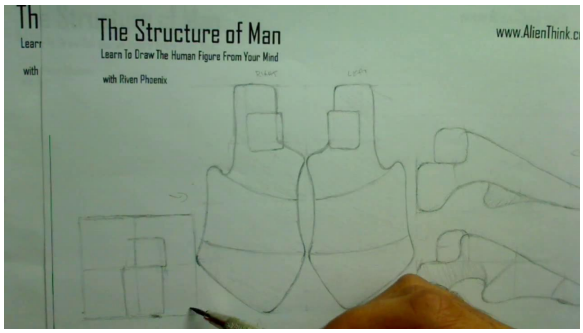
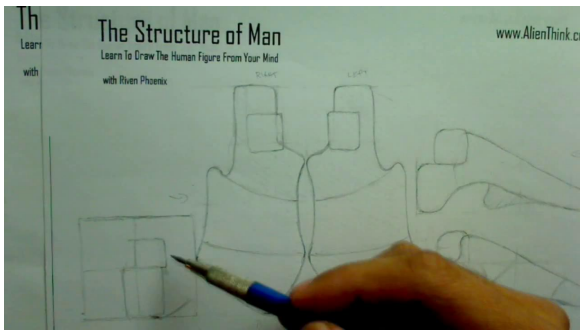
49		So this has, it's got to be here.
50		And obviously, this is going to be much more in the back, right?
51		So here, it's going to kind of like go like this over here.
52		Okay. And then it's just going to be like this.

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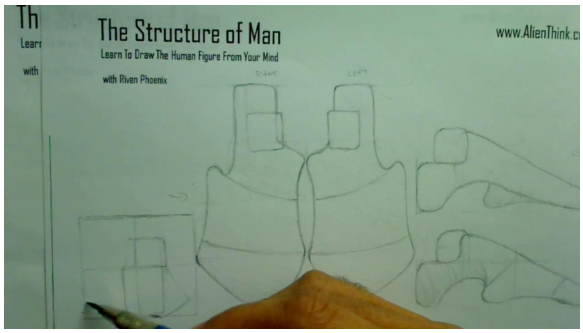
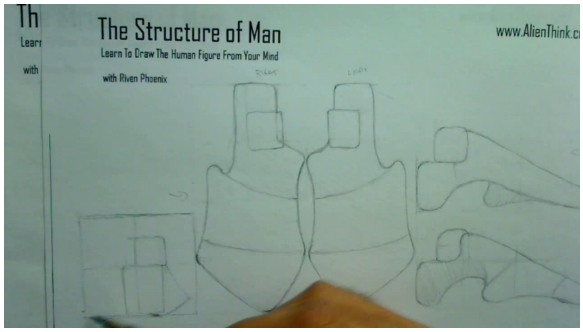
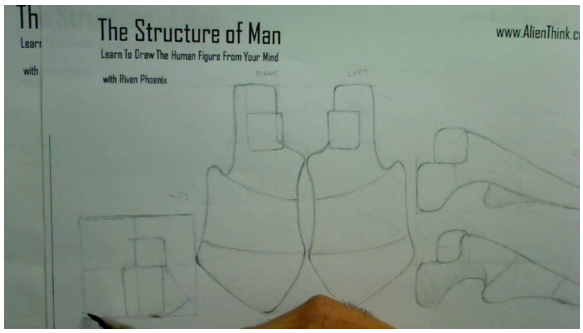
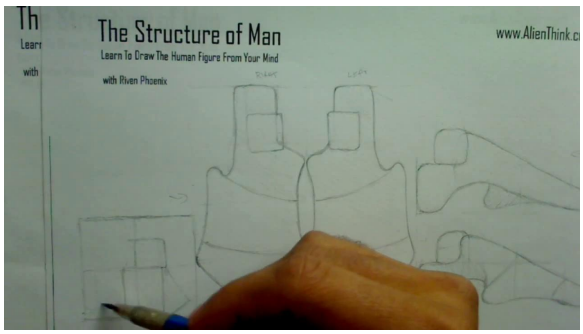
53		And over here, it's going to do the same thing.
54		And kind of like, you have to like imagine this going away from you in 3D, right?
55		So you can make it go like in 3D over here.
56		And then this line here is going to be this idea over here going like this, right?

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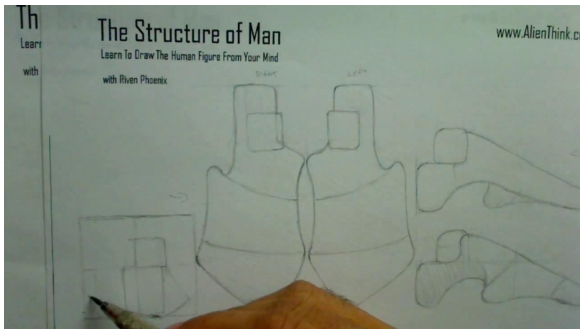
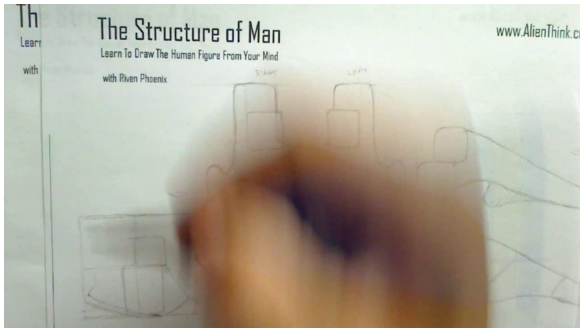
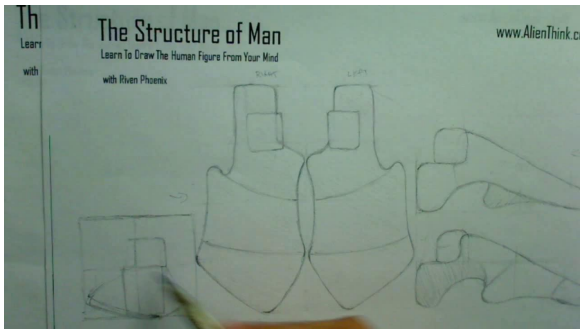
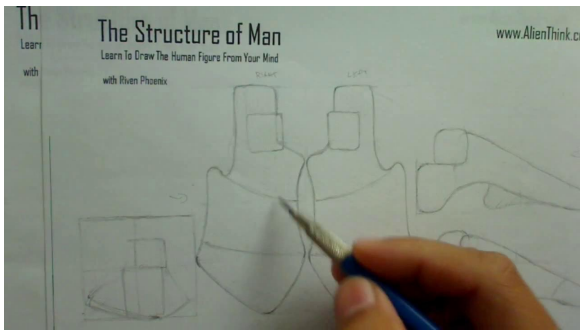
57		So this part here, when it comes up over here, if it was completely flat,
58		it would really just go something like this.
59		Now here, we're just experimenting with ideas here to start to get the mind to understand some concept.
60		We know that this is the center.

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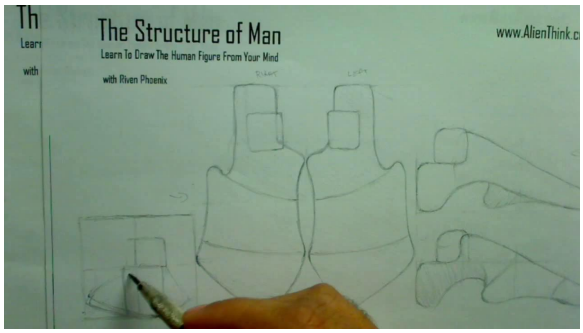
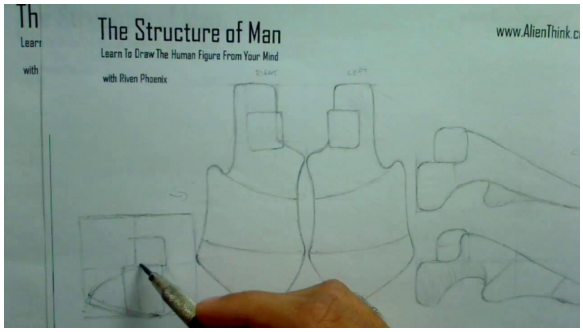
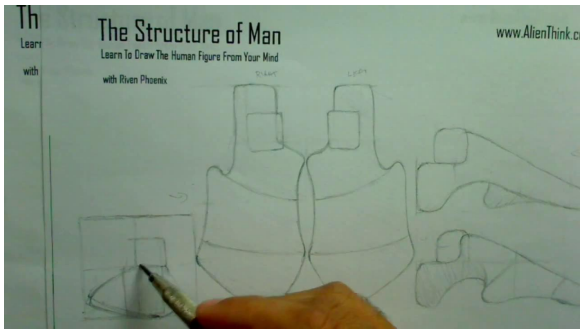
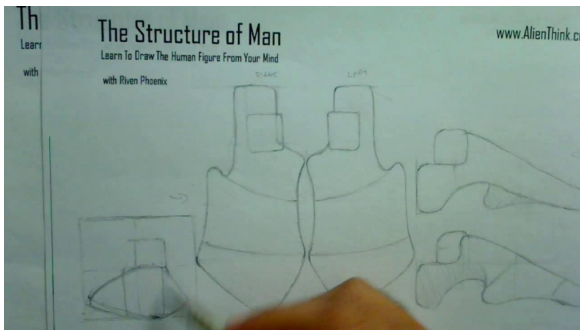
61		So we know that this part here, right?
62		If it was going down, we'd really be coming down this way.
63		It would be much more longer here, and it would be much more shorter over here.
64		Okay. So you have to now imagine this in perspective.

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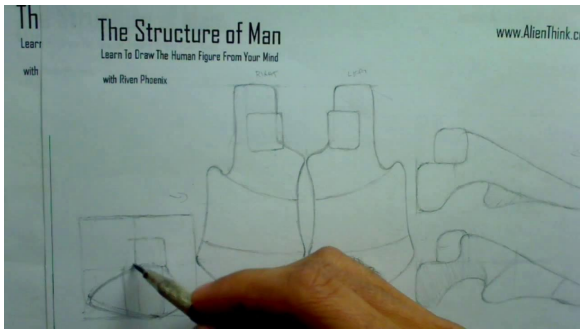
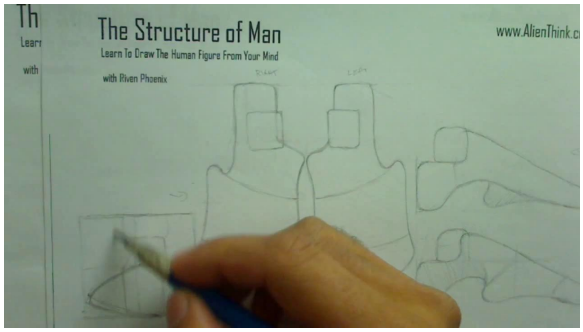
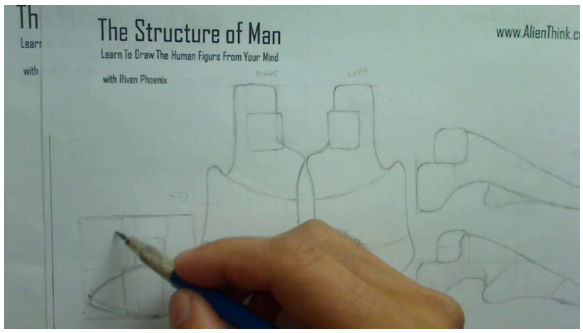
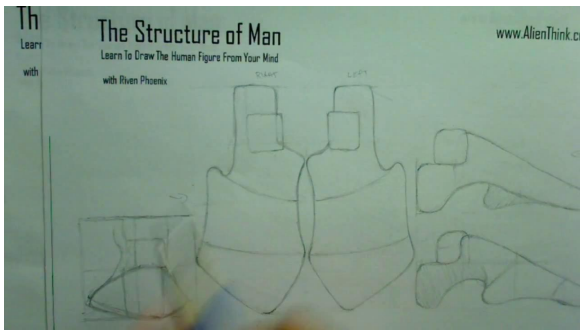
65		And basically, this tells you, okay, well, if the TBA is going to be here,
66		and then you're going to get the fibula, right?
67		So you're going to get it like this, and it's going to now go in this direction, right?
68		So now, if we erase all this, now this is a tricky angle to understand, right?

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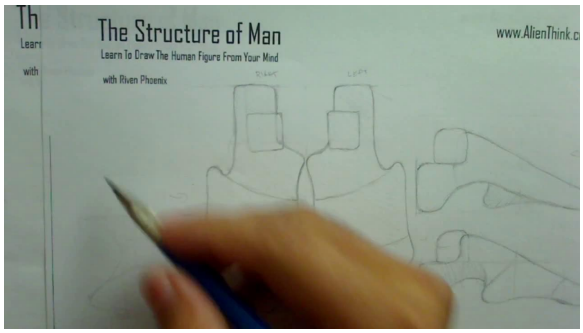
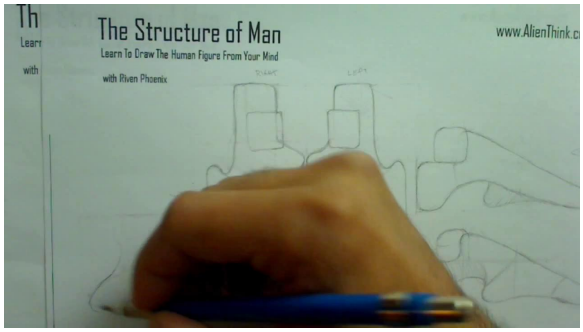
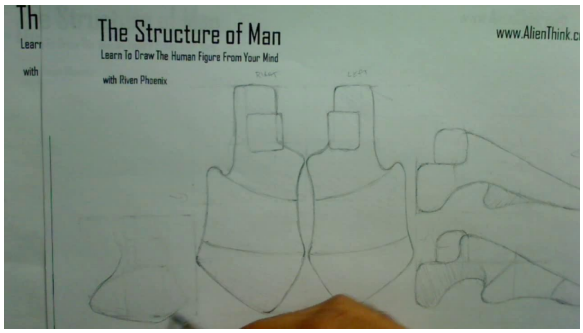
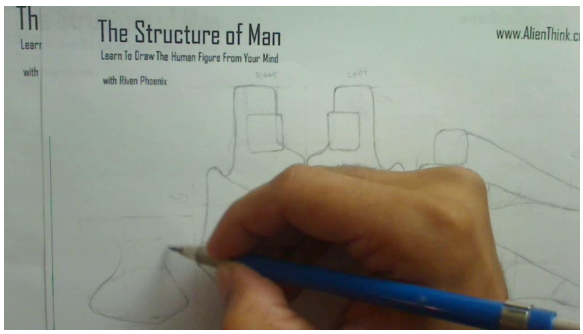
69		So it's really nothing more than understanding, okay?
70		I see that all the small fingers are coming down this way, and over here,
71		I'm just going to get the bone for the toe, and it's going to go something like this over here,
72		and then this area here is just going to be like this, right?

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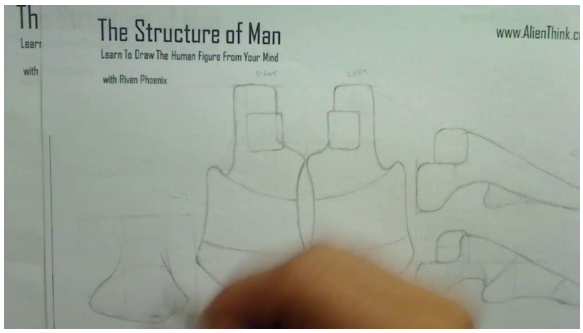
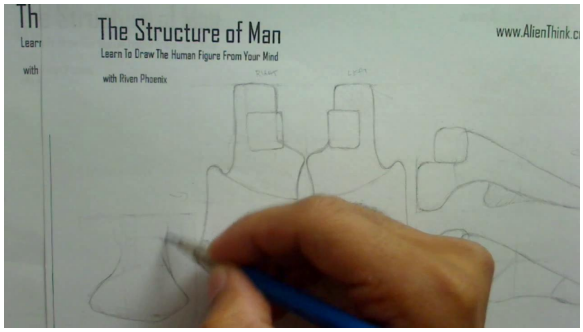
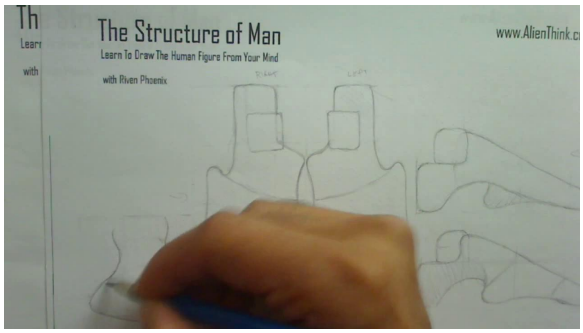
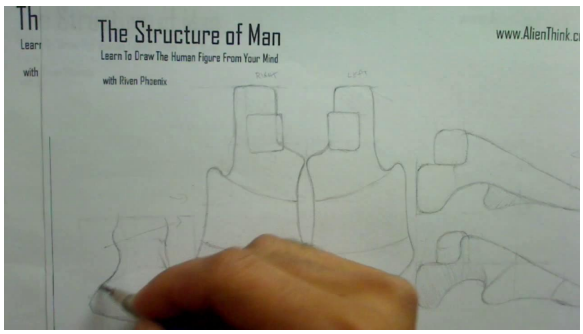
73		So you have to start to imagine this now in a very extreme three-dimensional view over here, right?
74		You're going to get the TBA over here, and then the fibula will be over here,
75		like that's right, so you're going to get that angle going up, right?
76		You just have to understand this in that form, and just know that over here,

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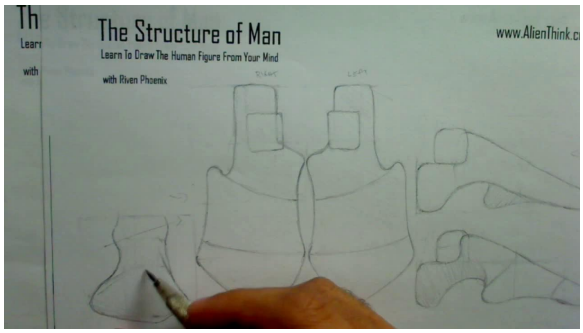
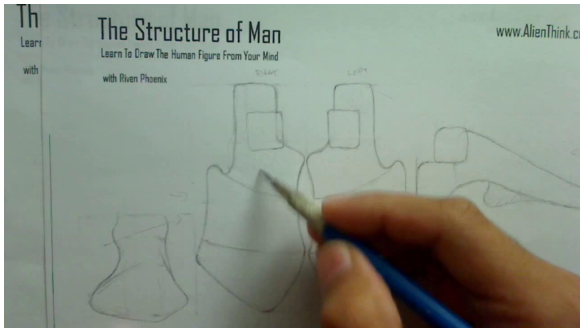
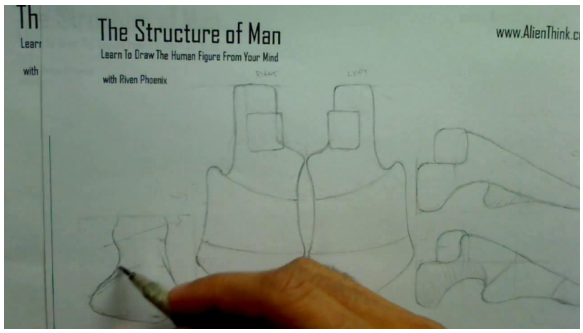
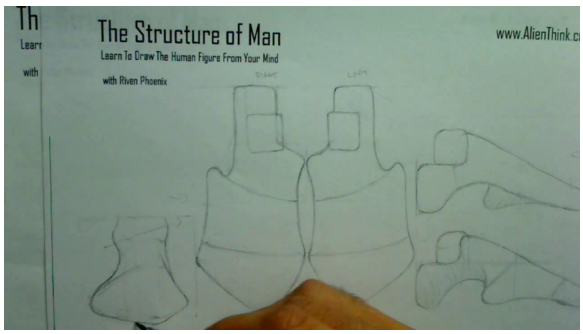
77		you're going to get that much more of this flatish area,
78		because of this line over here that we put for the toe, right?
79		This is like the most basic understanding we can get from this, right?
80		Because here is one of the situations where the mind is going to go through a little bit of frustration,

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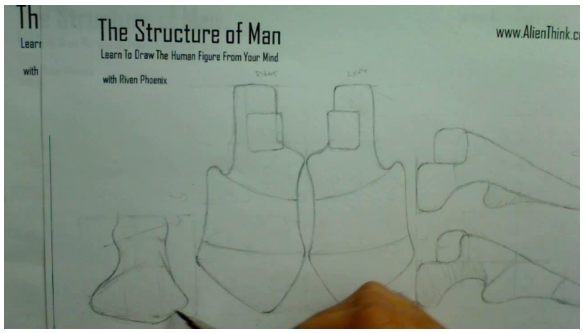
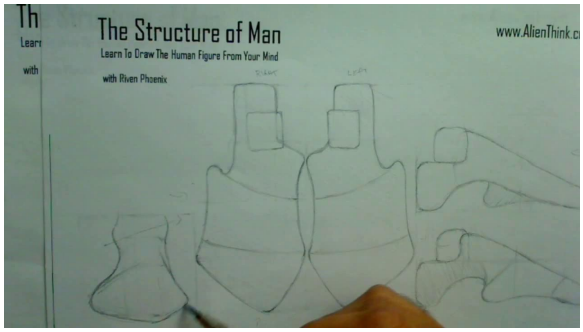
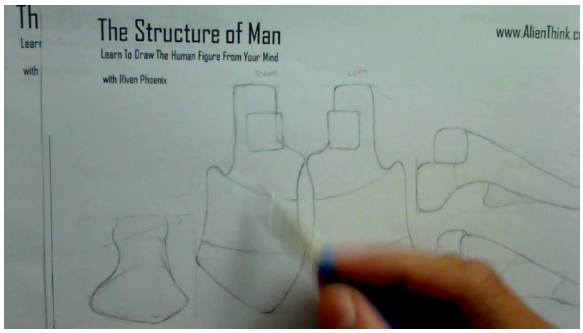
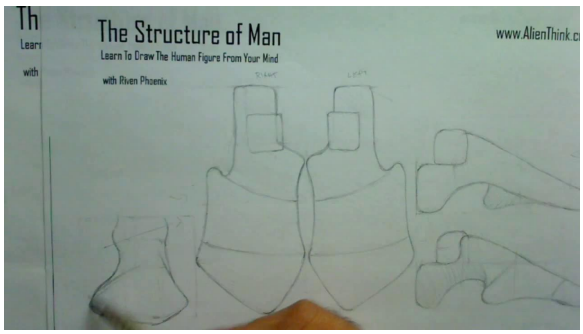
81		trying to understand, because it has to also think about perspective, right?
82		So we just need to get the basic concept to make it start to wrap around that concept,
83		but look, take a look at the formulas, and take a look at what exactly is going on.
84		There's really nothing more to this than understanding these angles over here,

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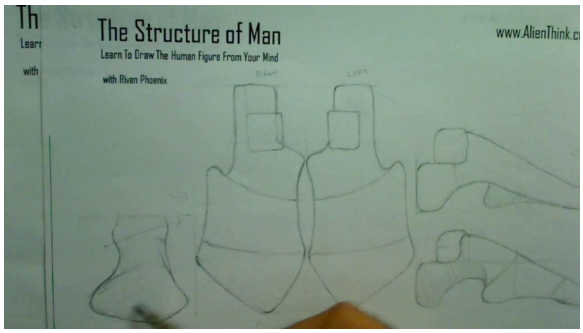
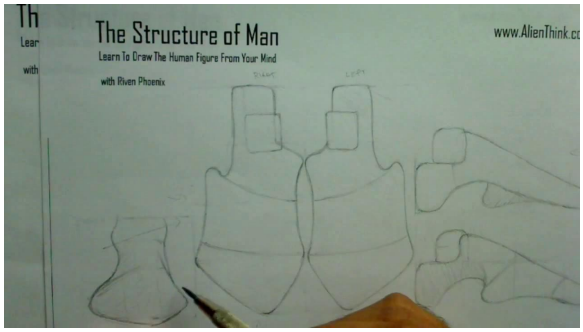
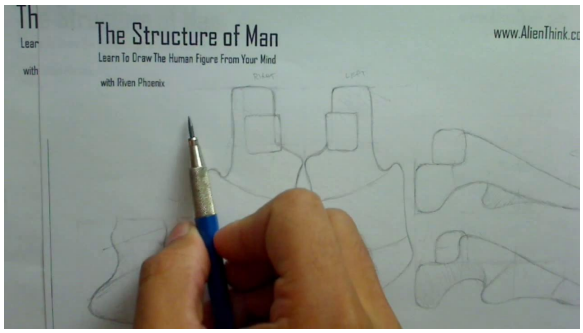
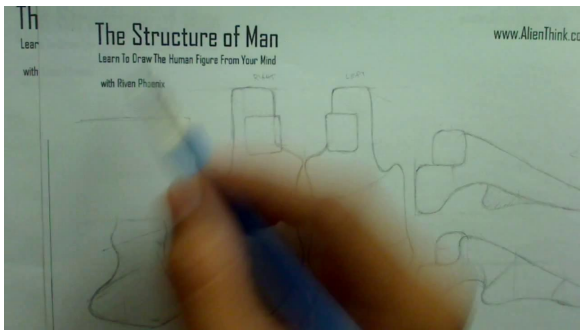
85		that this is much more flatter in this way, right?
86		So the other side of this would be that we want to look at this from the back,
87		right? So the back would be the same thing.
88		So if we now divide this in half this way, right?

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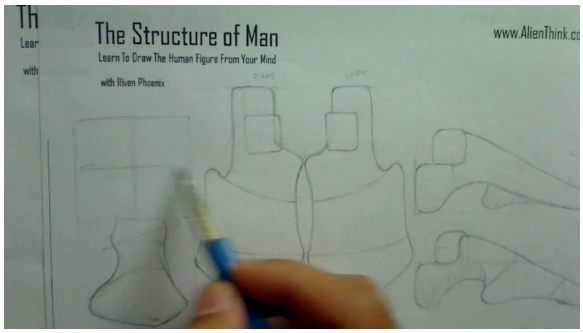
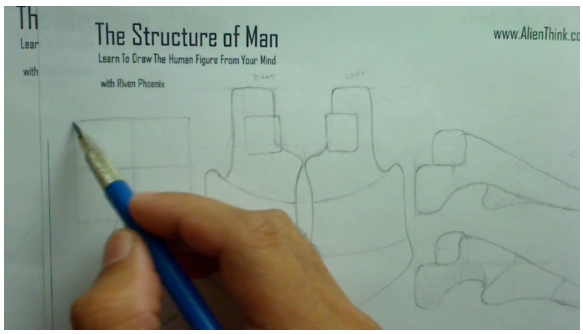
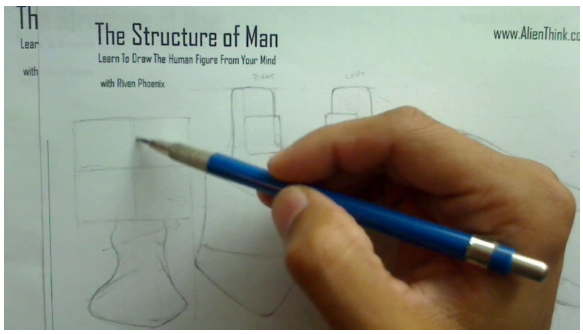
89		We're just going to be again going, take the mind through a little bit of frustration process
90		and make it try to understand things.
91		So since we did this over here for the back, we're just going to do it opposite, right?
92		We just, we know that, right?

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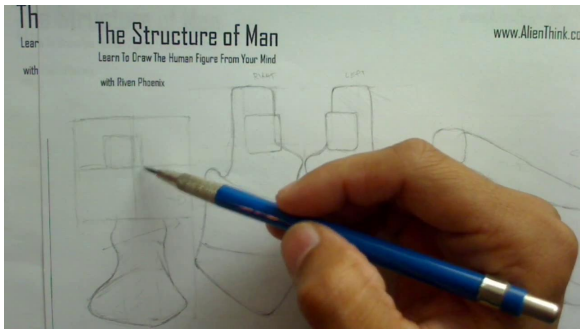
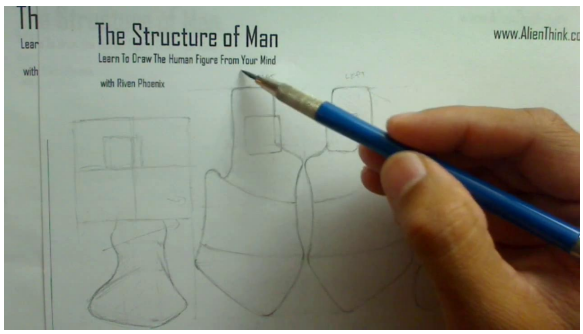
93		Well, we're going to get like this shape over here, like this.
94		Okay, well, let's take a look over here, and then we know that from here,
95		let's say that this is going to be the, let's actually look at this one,
96		where that's what I'm looking at, right? I'm looking at the from the back from here, right?

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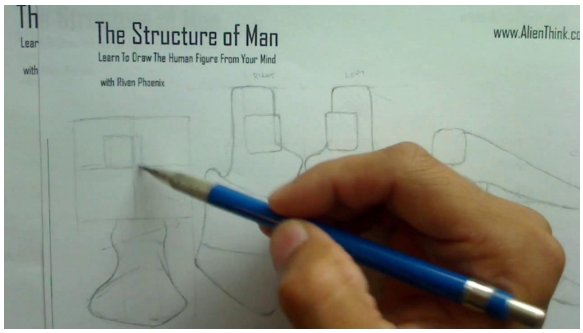
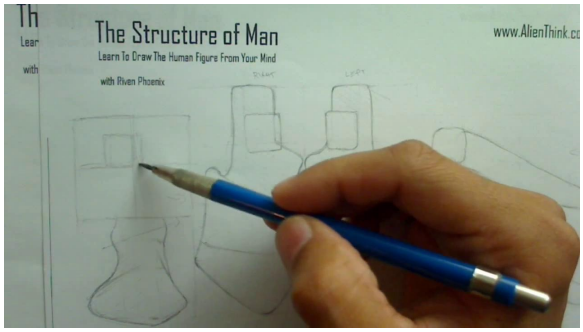
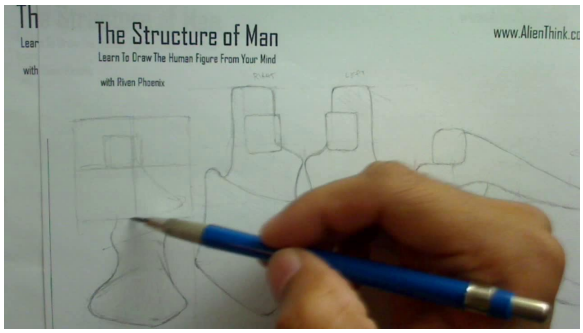
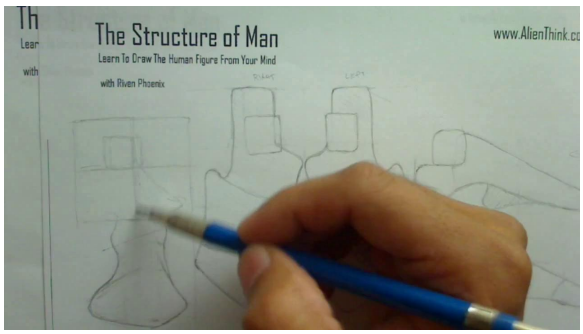
97		So this, again, is going to be the same thing that when I come down here,
98		I'm going to get that same much more flatter concept over here, right?
99		You're going to get obviously the heel because it's over here, right?
100		Look at where this is over here.

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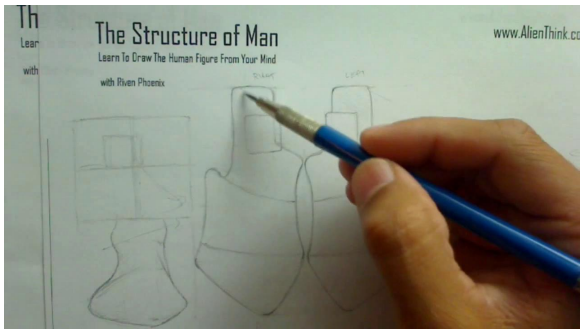
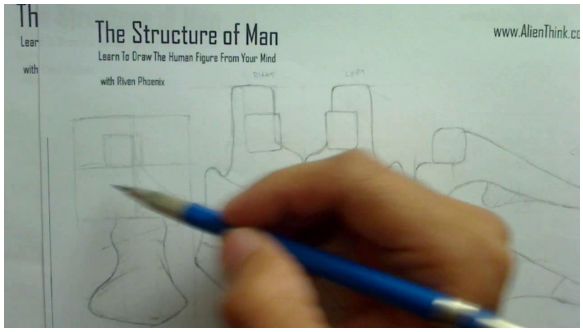
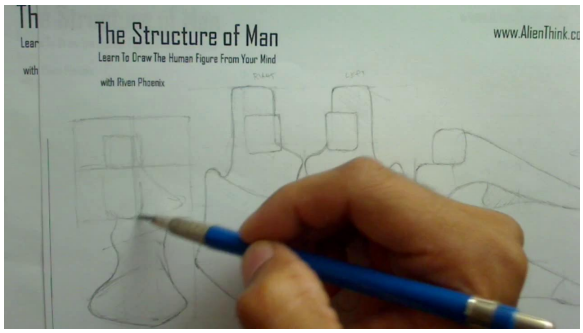
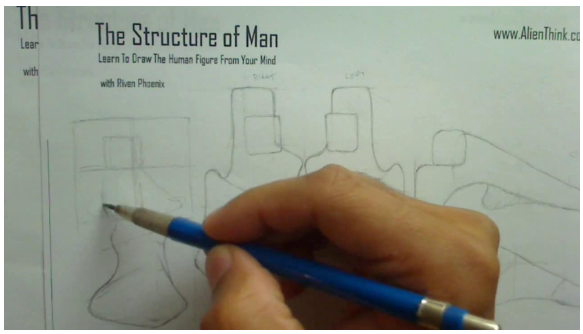
101		Look at where this is and this is, right?
102		So you're going to get your heel over here, right?
103		The heel is going to be just like this over here, and then you're going to get,
104		uh,

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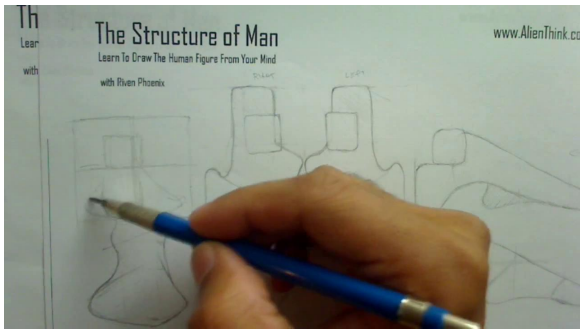
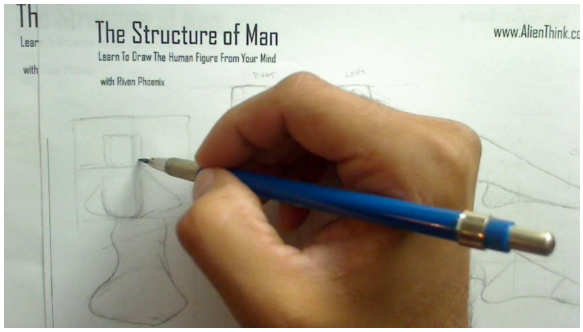
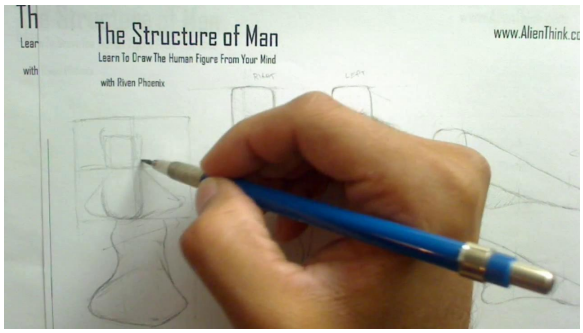
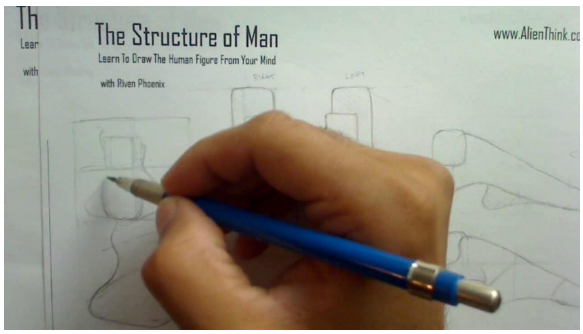
105		this idea coming this way, right?
106		And then over here, you're going to get again that idea here of the tibia,
107		and then you're going to get the, the, the fibula in this way, right?
108		So here again, it's, this is more of, again, the, the foot is in odd shape, right?

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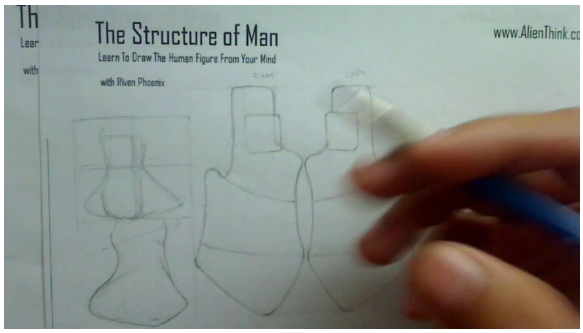
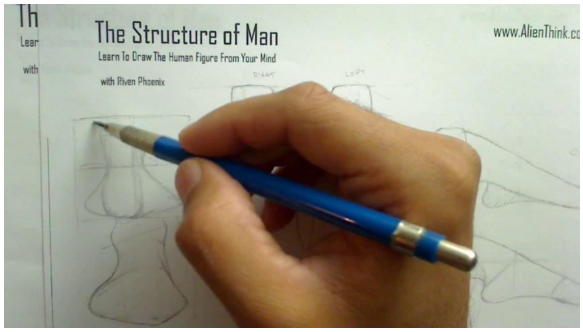
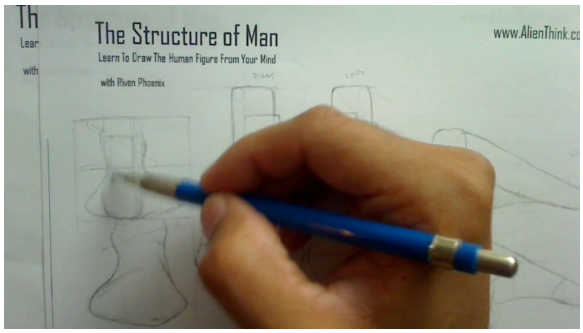
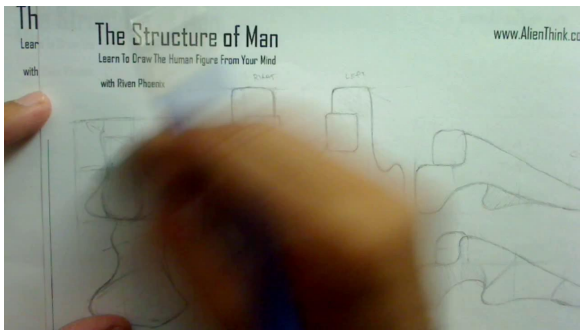
109		So here, I'm just showing you as to how to go through that process of just thinking,
110		knowing how the, you know, workings are going to be.
111		So once you get that, right, we haven't really looked at the, the muscle structure,
112		that's why it's going to go through that pro, uh, frustration process, right?

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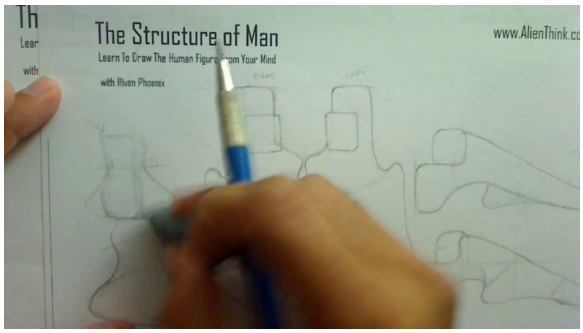
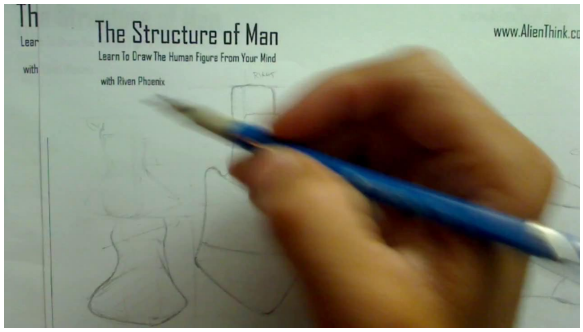
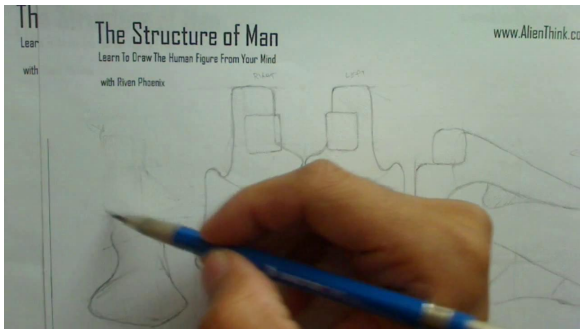
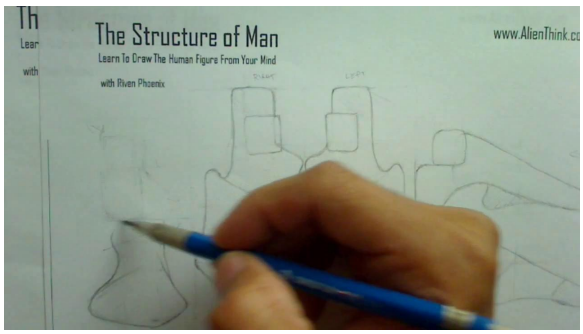
113		So you can really even imagine this in a 3D form.
114		So here we got that idea, but really we could have just done it in that idea,
115		that we know that we started off with a box over here, right?
116		Imagine this, in this way, this is like another way of looking at it, right?

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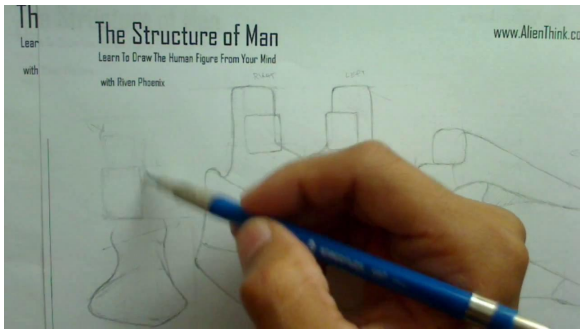
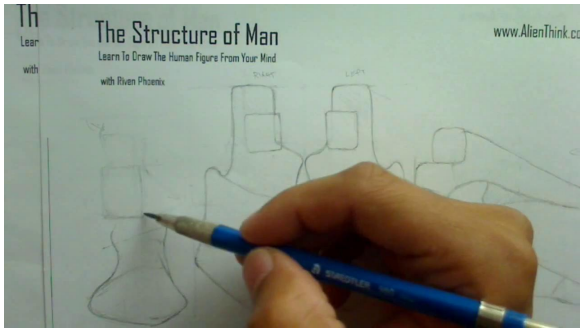
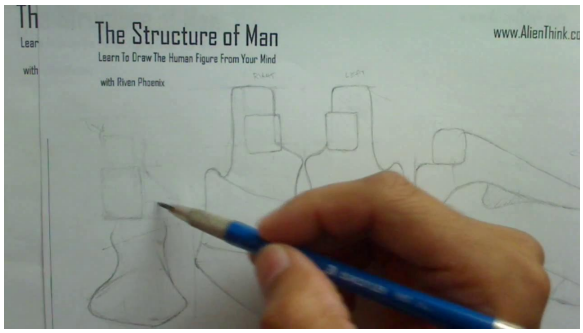
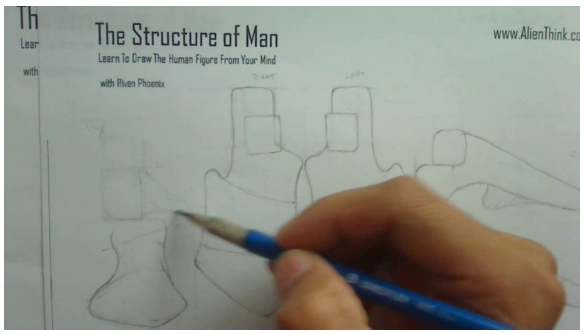
117		You can imagine this box over here, just taking that into account,
118		and then looking at this formula over here, knowing that, okay,
119		I know that this is really going to be here.
120		So it's really just now thinking in perspective again,

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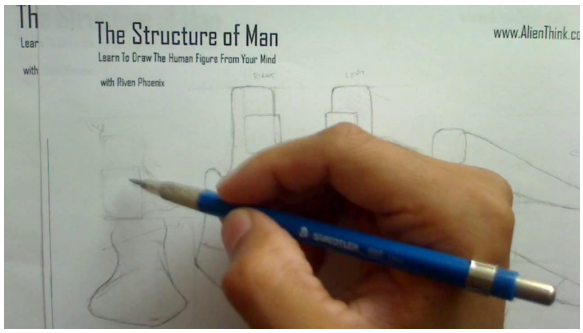
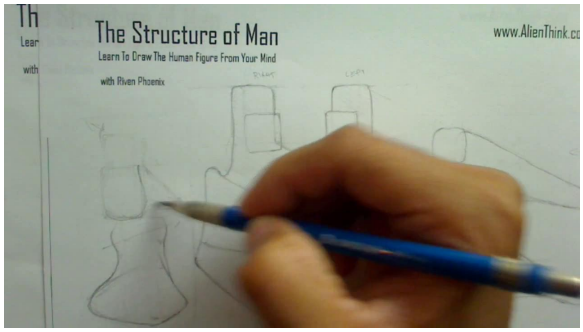
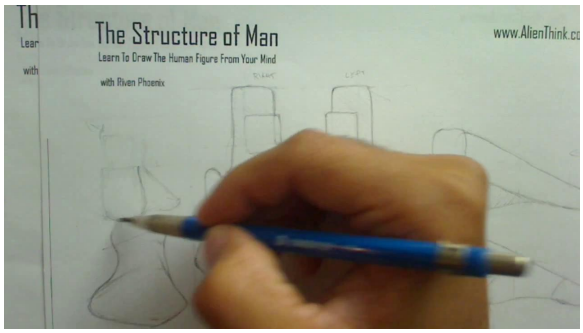
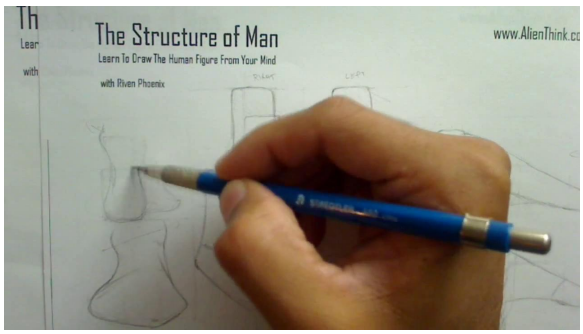
121		and then knowing that, okay, well, the heel is going to be kind of like this,
122		over here, right?
123		It's going to be like this, we're going to get the foot area,
124		here I'm just drawing a little bit of surface anatomy so you can see what I'm getting at.

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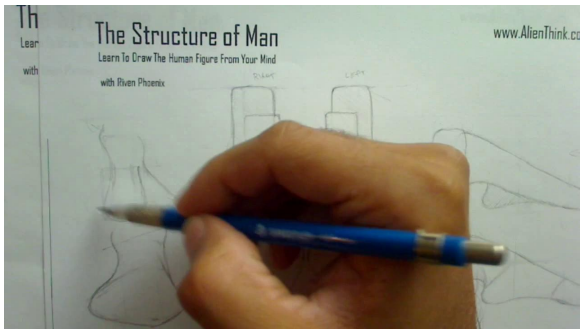
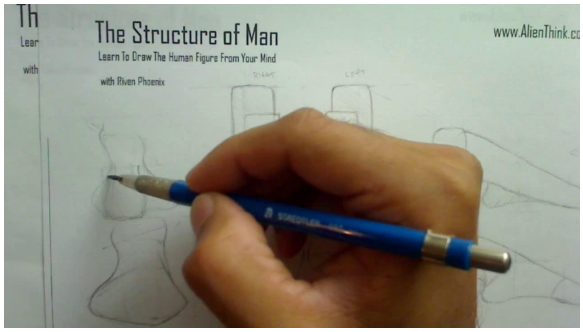
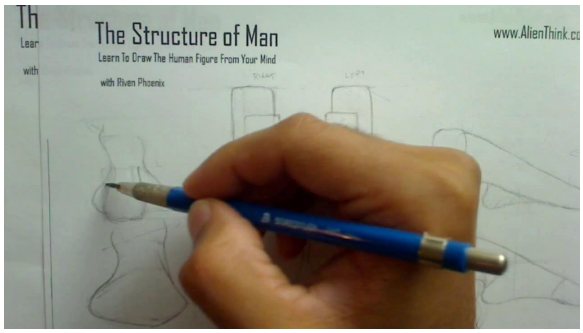
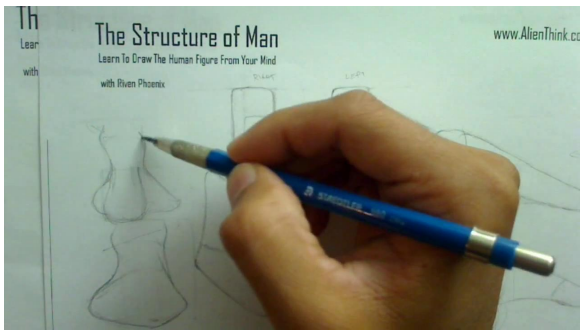
125		Then over here, it's really not going to be nothing more than this, right?
126		From the back, it's going to be ready.
127		It's not that really that tricky to do this,
128		just understanding how this would be, right?

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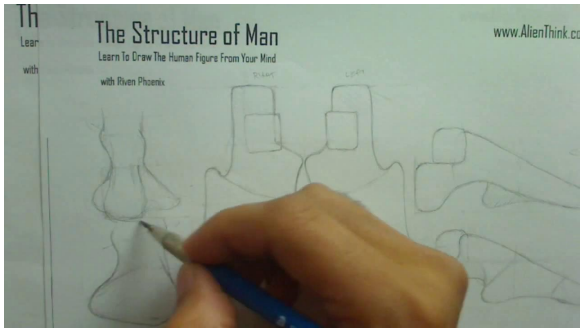
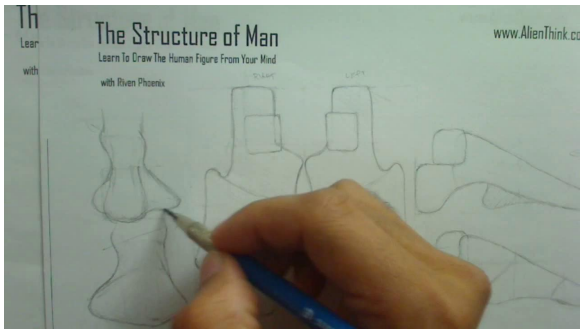
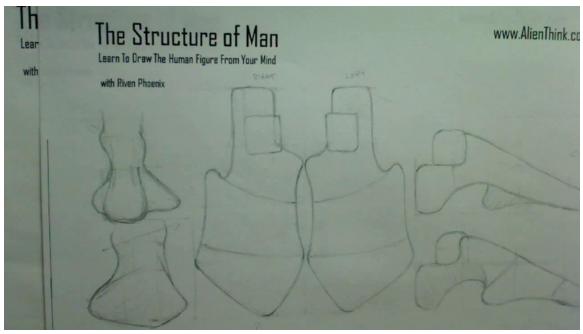
129		You know, the foot would be going in that direction.
130		So here we're just going to keep it much more of a sketchy style here,
131		but just like this, just understanding, okay, from the back,
132		it's going to kind of look like this really on shape here.

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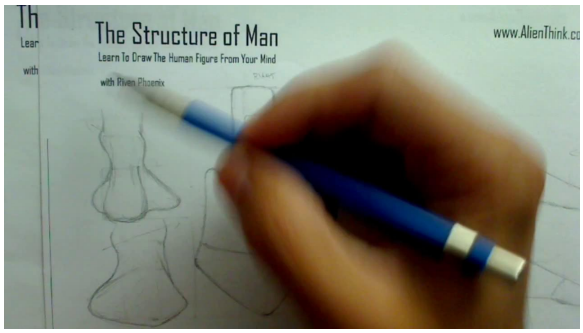
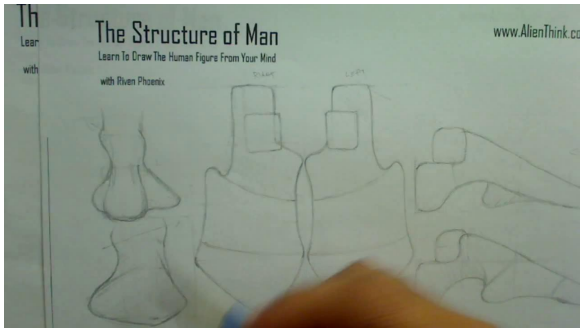
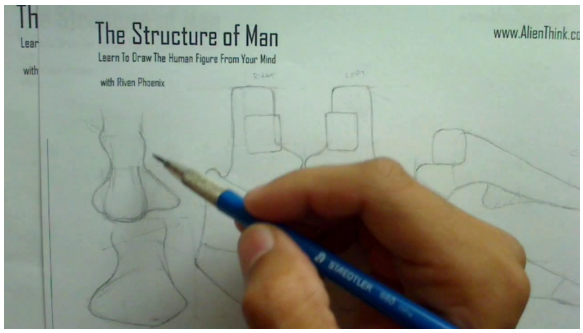
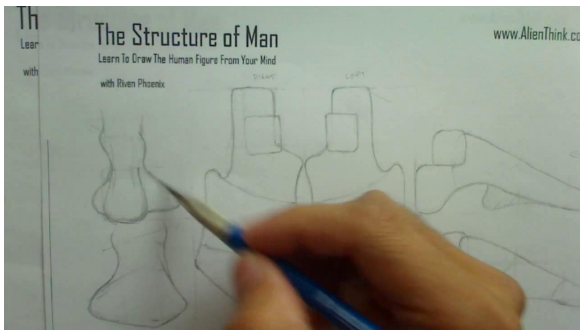
133		Okay, so this is where we, you got to keep in mind,
134		as to what is it that you're drawing, right?
135		So this is really the outer part,
136		and this is really the toe part,

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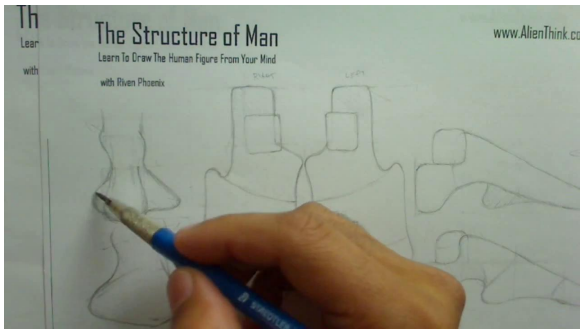
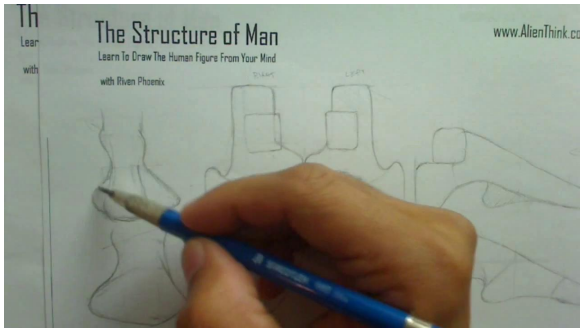
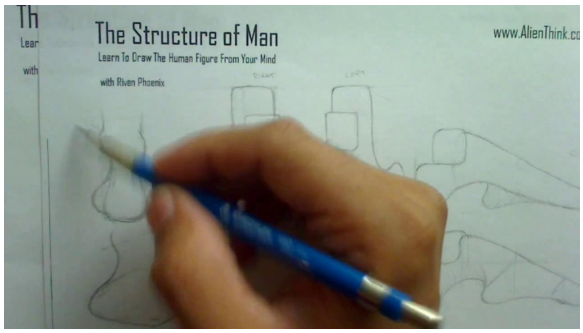
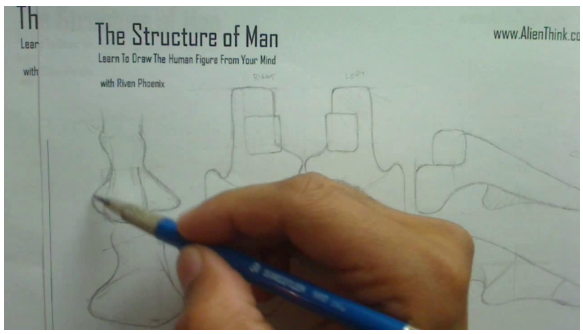
137		and we know from here that the toe part has to be much more small,
138		right?
139		It doesn't even matter about the grip that I put,
140		here I'm just showing you that it's going to be like this,

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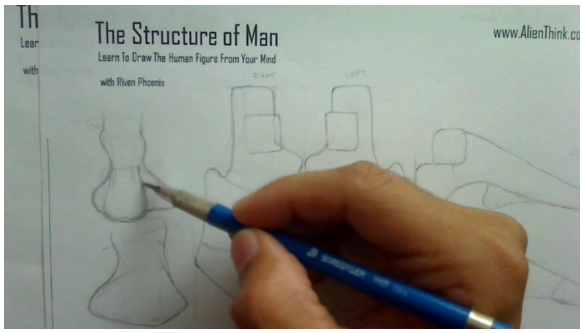
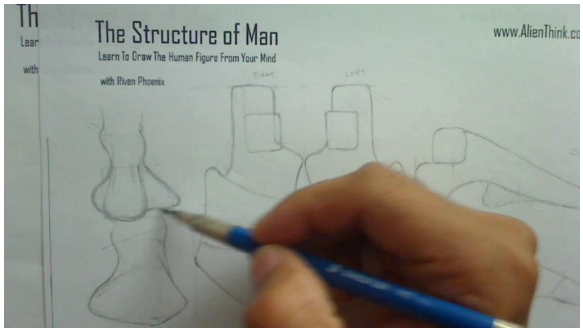
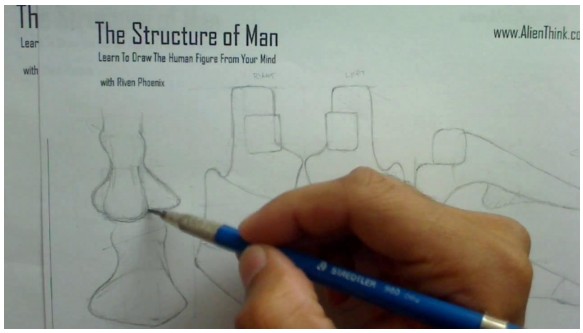
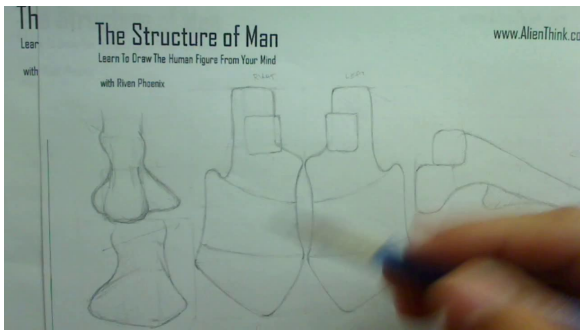
141		and it's going to be like this, right?
142		Kind of like this,
143		and we'll look at this in more detail.
144		Remember, sometimes we just don't have enough information

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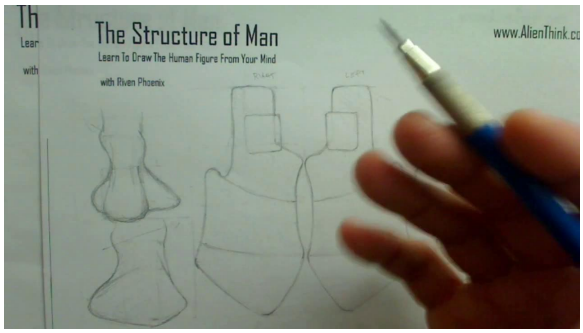
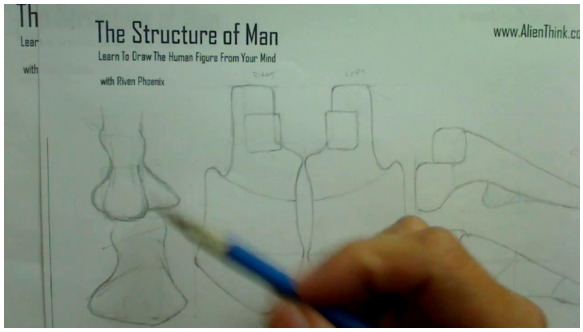
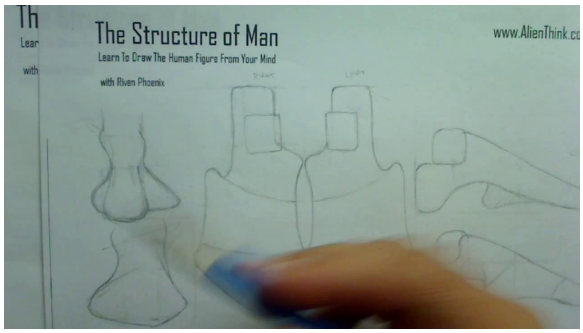
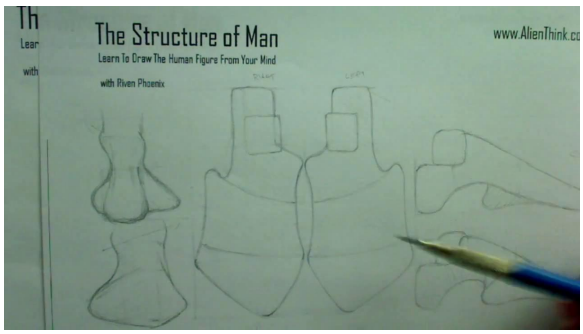
145		because the mind requires more information
146		in some of these areas, right?
147		And this can only come from the muscles.
148		So at least we have this much,

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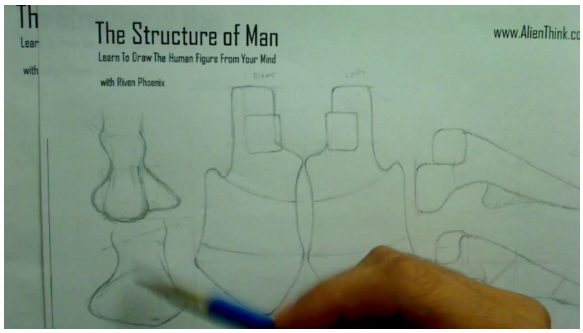
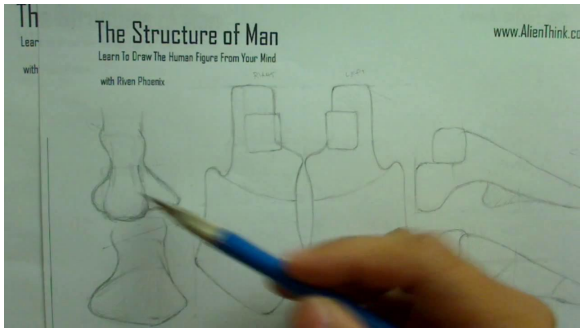
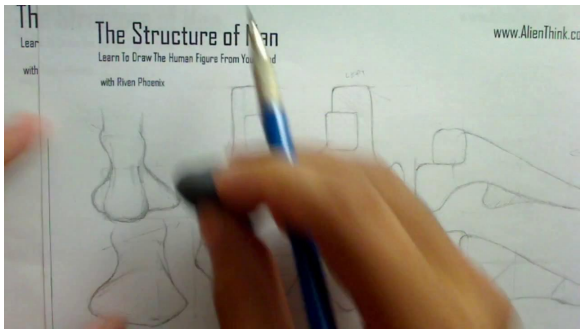
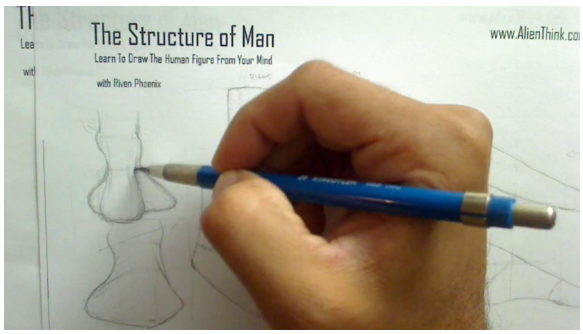
149		and we understand what's going on, right?
150		Just a general conception of this.
151		Okay, so, right,
152		then we can work on this all day,

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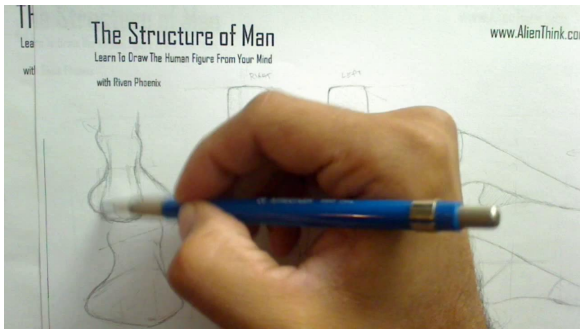
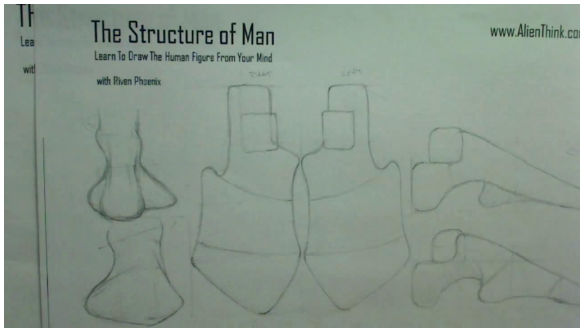
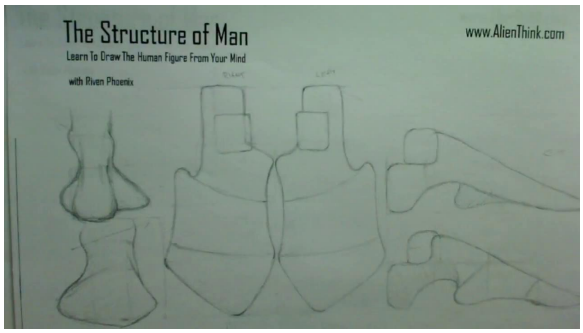
153		and then get into more detail, right?
154		So I'll see you in the next lesson.
155		Thanks.

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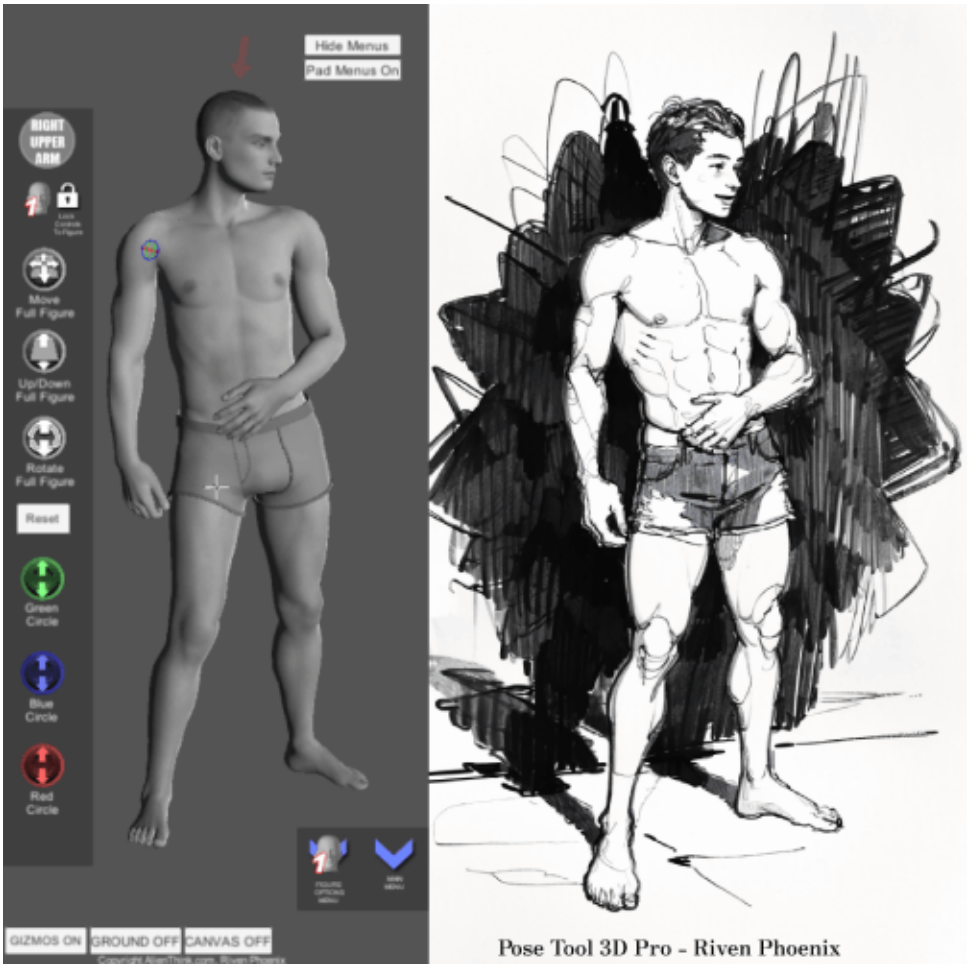

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